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United States
Department of
Agriculture

Soil
Conservation
Service

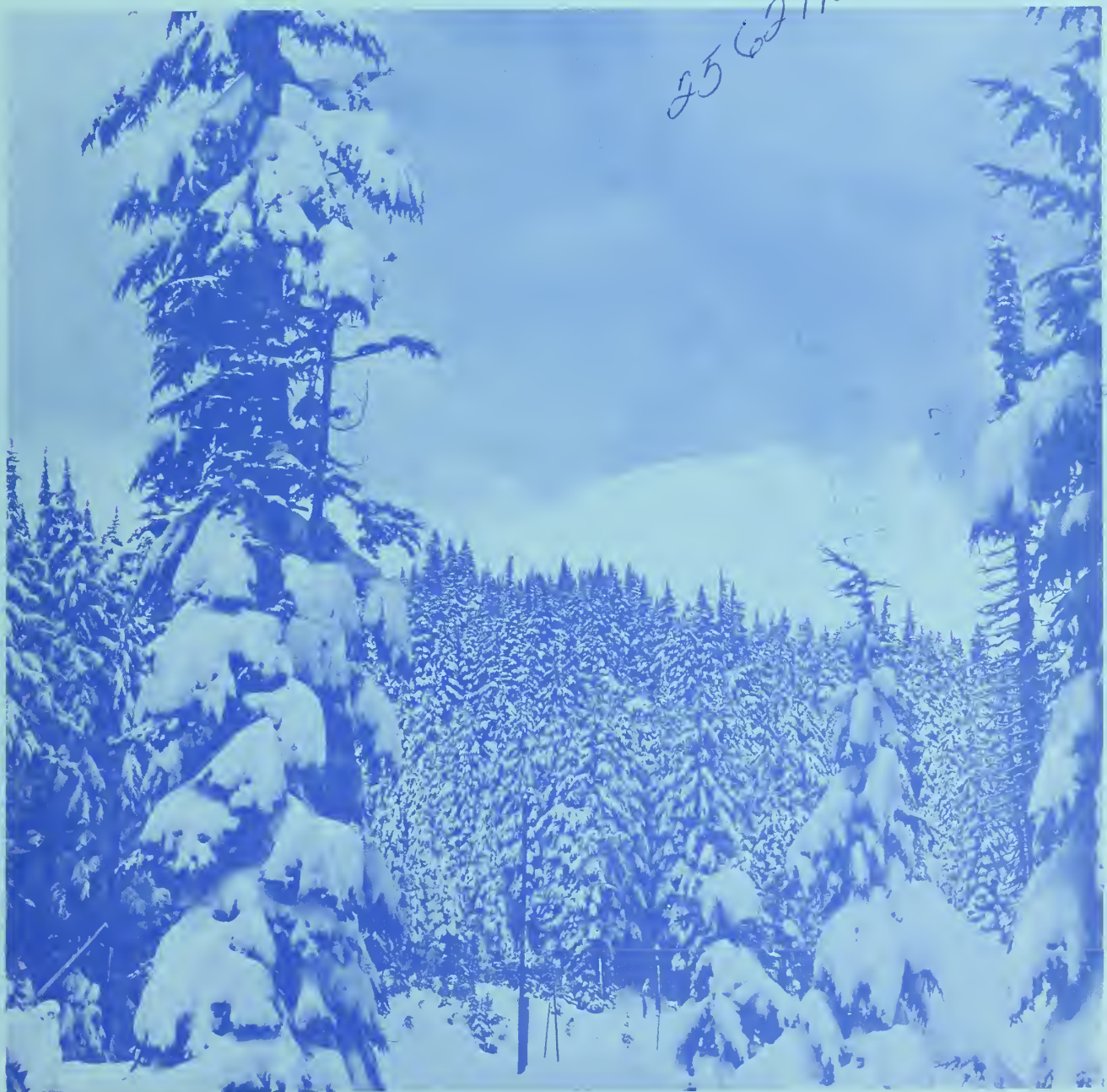
Casper,
Wyoming



Wyoming Water Supply Outlook

February 1, 1986

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Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 98502; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Wyoming

Water Supply Outlook and

Federal-State-Private Cooperative Snow Surveys

Issued by

Wilson Scaling
Chief
Soil Conservation Service
Washington, D.C.

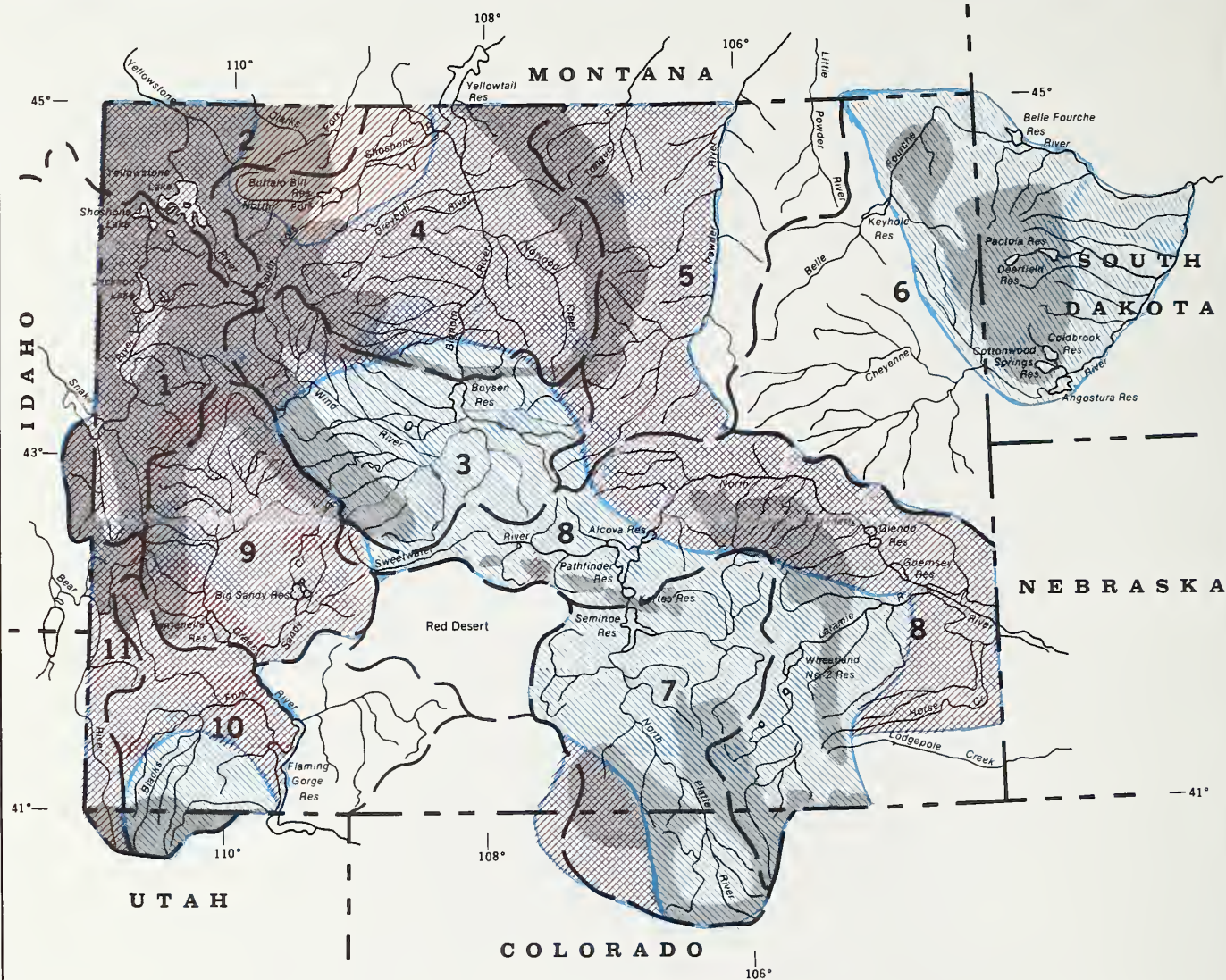
Released by

Frank S. Dickson
State Conservationist
Soil Conservation Service
Casper, Wyoming

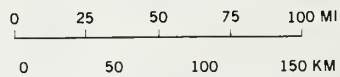
Prepared by

Ted Gilbert
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STREAMFLOW PROSPECTS WYOMING



GENERAL OUTLOOK

SUMMARY:

Despite a dry January, stream flow forecasts remain encouraging. Most of the state can expect near normal, or slightly above normal runoff this spring and summer. Snowpack buildup as compared to normal took a nosedive during the month. However, due to early season buildup much of the state remains near or slightly above normal. The exception is the Black Hills where snowpack accumulation is 74% above normal.

SNOWPACK:

Snowpack accumulation as compared to normal took a nosedive during the month of January. Hardest hit was the Green River Basin where the snowpack comparison dropped from much above average to nearly normal. The only parts of the state that remain much above average as far as snowpack accumulation is concerned is the Popo Agie drainage, the upper Laramie River and Brush Creek in the Platte River drainage and the Black Hills in northeast Wyoming. These areas ranged from 74% above average in the Black Hills to 30% above average in the Laramie River drainage. Much of the Platte River drainage and lower Wind River drainage remained above average (10 to 30 percent). The rest of the state shows snowpack accumulation to be near normal.

PRECIPITATION:

January 1986 was a very dry month over most of the state. Many areas in the Upper North Platte River, Wind River, Green River, and Bear River drainages received about one-tenth of an inch or less for the entire month...which is more than 90% below normal. However, mountainous terrain in the west received two and one-half to three inches of water equivalent, which was about normal. Most other areas received less than one inch of water equivalent which was about one-fourth to three-fourths of monthly normal. Seasonal comparisons were about one-fourth to one-half above normal along most eastern areas...elsewhere about normal due to October through December 1985 precipitation.

RESERVOIRS:

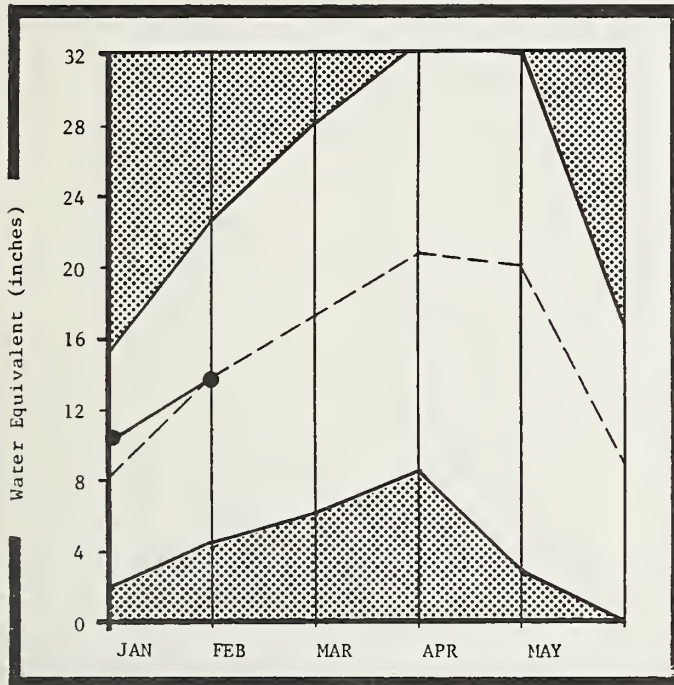
Stored water in the major reservoirs in the state continues to be generally less than at this time last year. This storage is about 30 percent less than last year. However, when compared to long term averages, storage is about 20 percent above average.

STREAMFLOW:

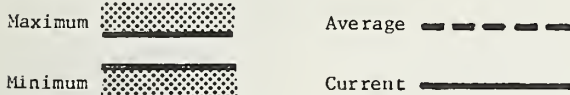
Streamflow forecasts for the summer months remain encouraging despite a dry month of January. The Black Hills, Upper Platte, Laramie River, Lower Wind River, Blacks Fork and Henrys Fork drainages continue to be forecast at 10 to 30 percent above average. The remainder of the state can expect near normal stream flows with the exception of the Shoshone and Lower Clarks Fork drainages. These two drainages remain as forecast in January at about 10% below normal. These forecasts are dependent upon average snowfall accumulations for the remaining portion of the snow season. The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to the water user.

SNAKE RIVER BASIN

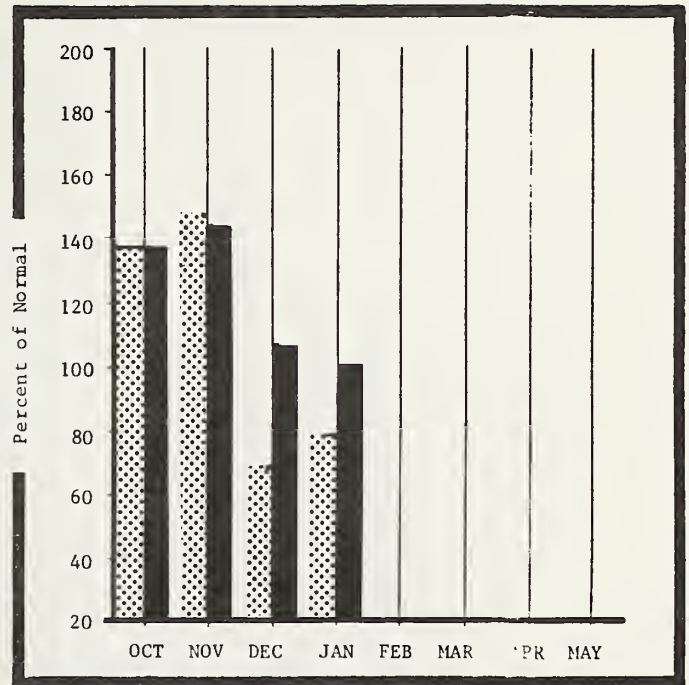
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Near normal streamflows can be expected for the drainages in this basin. Snowpack accumulation is also near normal. The Gros Ventre drainage is about 27% above normal. Snow depths are 16% more than at this time last year. Precipitation during the month was only 79% of normal. Year to date precipitation is near normal. Current reservoir capacity in the basin is only at 58%, and is 30% below normal.

For more information contact your local Soil Conservation Service office.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

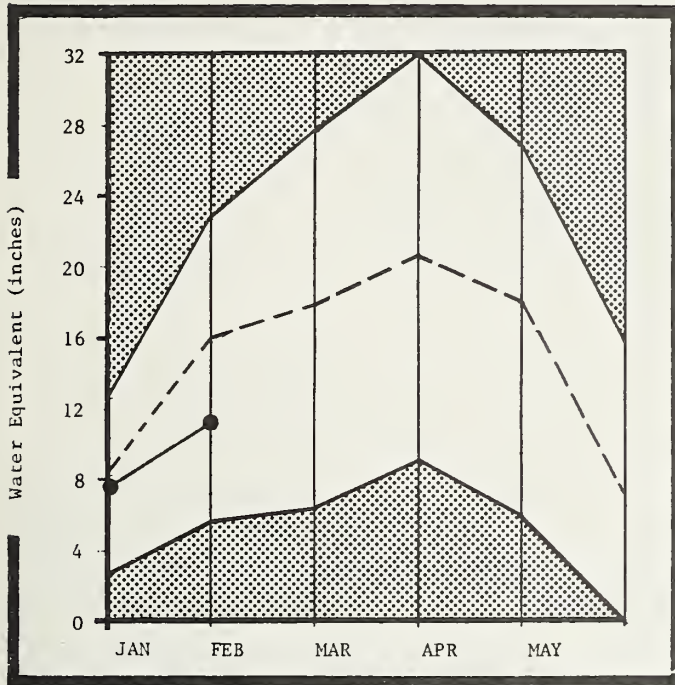
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SNAKE RIVER near Moran *	APR-SEP	880.0	850.0	96	114	80				
SNAKE RIVER above Palisades *	APR-SEP	2730.0	2500.0	94	112	77				
SNAKE RIVER at Heise, ID *	APR-SEP	4066.0	3900.0	95	124	68				
PACIFIC CREEK at Moran	APR-SEP	174.0	170.0	97	122	74				
GREYS RIVER above Palisades	APR-SEP	393.0	385.0	97	122	74				
SALT RIVER near Etna	APR-SEP	394.0	365.0	92	135	59				
PALISADES RESERVOIR Inflow *	APR-SEP	3793.0	3625.0	95	117	73				
SWIFT CREEK near Afton	MAY-SEP	46.0	42.5	92	117	67				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE
GRASSY LAKE	15.1	12.9	13.0	10.4	SNAKE above JACKSON LAKE	8	98	93
JACKSON LAKE	624.4	149.4	275.4	612.5	PACIFIC CREEK	2	135	114
PALISADES	1200.0	912.9	929.3	907.8	GROS VENTRE RIVER	4	134	106
					HOBACK RIVER	7	125	102
					GREYS RIVER	4	142	100
					SALT RIVER	5	105	93
					SNAKE above PALISADES	30	115	97





*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER YELLOWSTONE AND MADISON RIVER BASINS

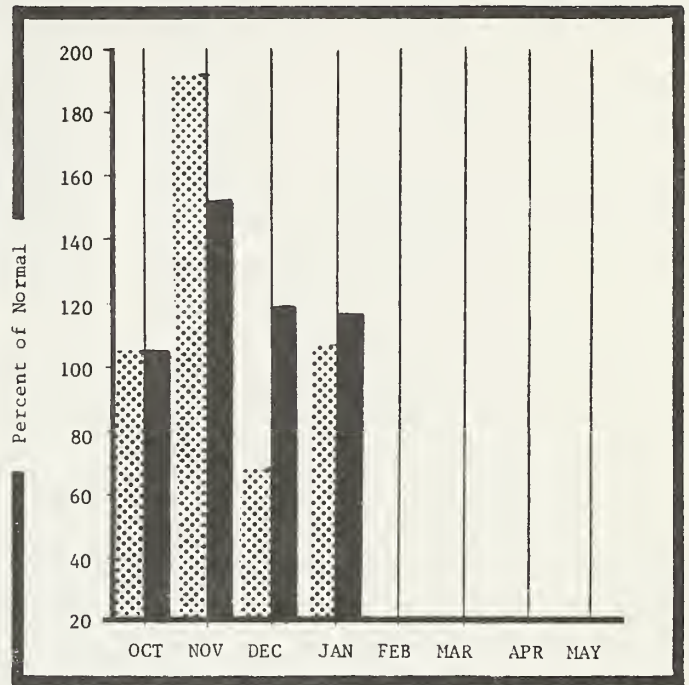
MOUNTAIN SNOWPACK*




*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

This basin is one of only two in the state that showed above average precipitation during the month. For the month it was 4% above average and for the year it is 17% above average. Streamflow forecasts predict near normal flows for this next season. Snowpack accumulation is also near normal. Reservoir capacity is 73% and is about 14% above average.

For more information contact your local Soil Conservation Service office.

UPPER YELLOWSTONE and MADISON RIVER BASINS

STREAMFLOW FORECASTS

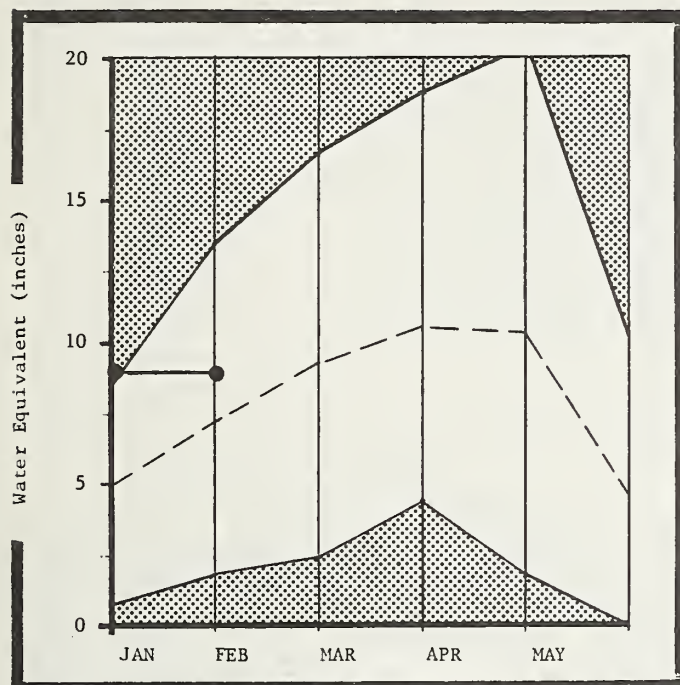
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
YELLOWSTONE RIVER at Lake Outlet	APR-SEP	826.0	725.0	87	105	71				
YELLOWSTONE RIVER at Corwin Spgs.	APR-SEP	2027.0	1640.0	80	98	64				
YELLOWSTONE RIVER near Livingston	APR-SEP	2379.0	1852.0	77	95	61				
MADISON RIVER near Grayling, MT *	APR-SEP	496.0	498.0	100	117	83				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	THIS YEAR	LAST YEAR	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
EMNIS LAKE	41.0	30.1	31.0	35.6	UPPER MADISON RIVER	10	102	93
HERGEN LAKE	378.0	276.2	310.2	232.6	CLARKS FORK	13	123	89
					UPPER YELLOWSTONE RIVER	15	108	90

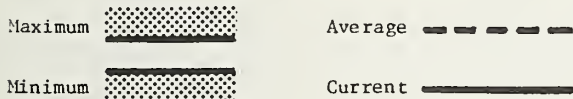
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Average is for 1961-80 period.

WIND RIVER BASIN

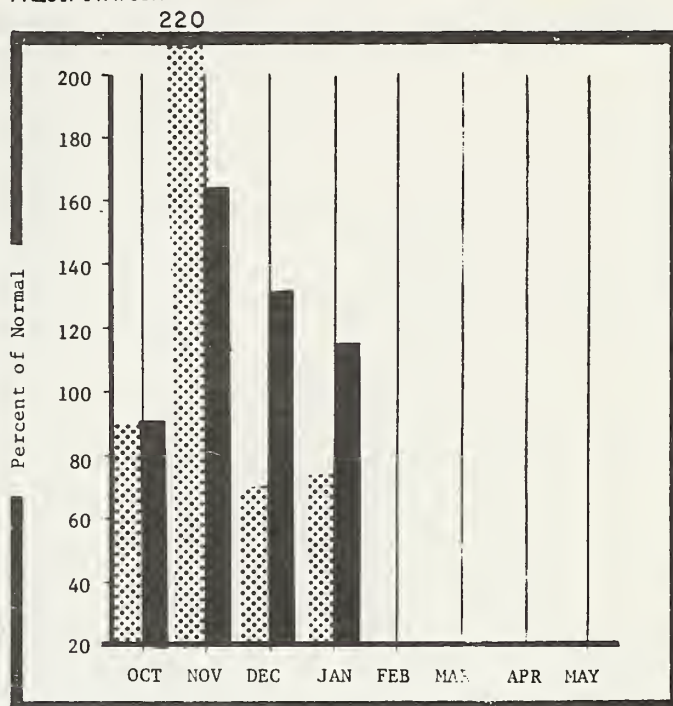
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Prospects for excellent streamflows continue to be forecast for this basin. The upper part of the basin is near normal, while the lower part of the basin is predicted to be 12% above normal. Snowpack accumulation follows a similar pattern. The Popo Agie drainage has a snowpack build up that is 38% above normal. Precipitation for the month was only 73% of average, but total precipitation for the year is 60% above average. Current reservoir capacity is nearly 91% which is 46% above average.

For more information contact your local Soil Conservation Service office.

WIND RIVER BASIN

STREAMFLOW FORECASTS

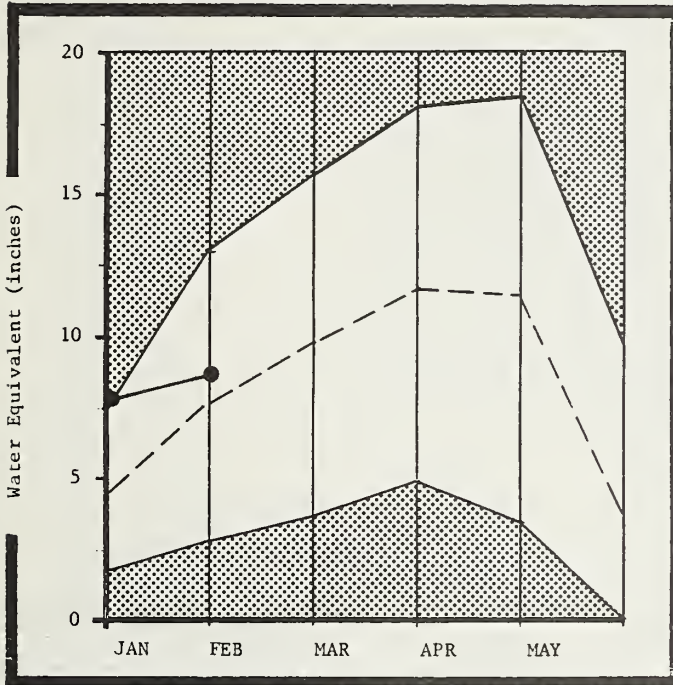
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER near Dubois	APR-SEP	106.0	110.0	103	130	77				
WIND RIVER at Riverton *	APR-SEP	678.0	765.0	112	141	85				
WIND RIVER below Boysen *	APR-SEP	1163.0	1325.0	113	142	86				
BULL LAKE CREEK near Lanore *	APR-SEP	188.0	215.0	114	136	93				
LITTLE POPO AGIE RIVER near Lander	APR-SEP	53.0	60.0	113	143	83				

I RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE THIS YEAR	LAST YEAR	** AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
BULL LAKE	151.1	42.1	89.7	93.3	UPPER WIND RIVER	11	139	93
BOYSEN	549.9	597.4	351.8	348.0	WIND above RIVERTON	19	161	107
PILOT BUTTE	31.6	25.0	23.7	14.7	POPO AGIE	4	186	138
					WIND above BOYSEN	23	166	112





*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BIGHORN RIVER BASIN

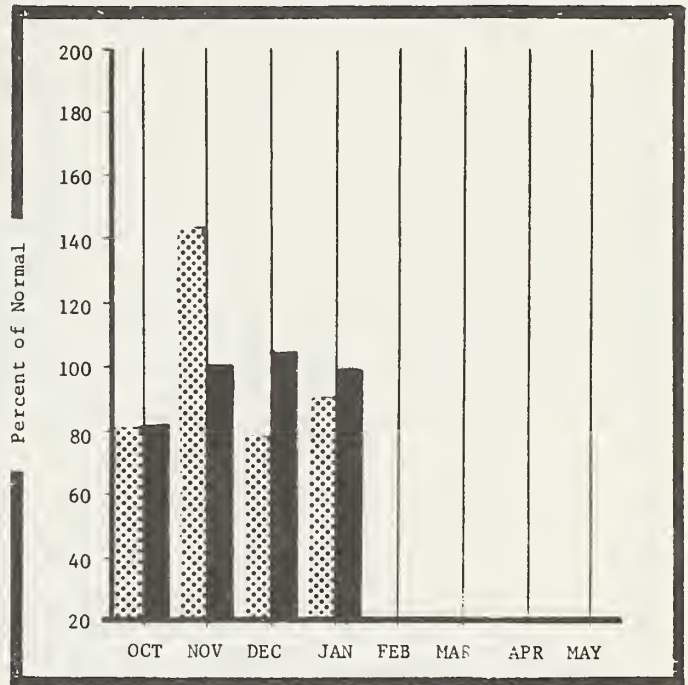
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts predict near normal streamflows for much of the basin. The exception is the Clarks Fork and Shoshone Rivers. Streamflows for these two are predicted to be about 12% below normal. Snowpack accumulation continues to be near normal with the Greybull River being about 16% above normal. Precipitation for the month and for the year are slightly below normal. Reservoir storage stands at nearly 70% of capacity which is about 40% above average.

For more information contact your local Soil Conservation Service office.

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

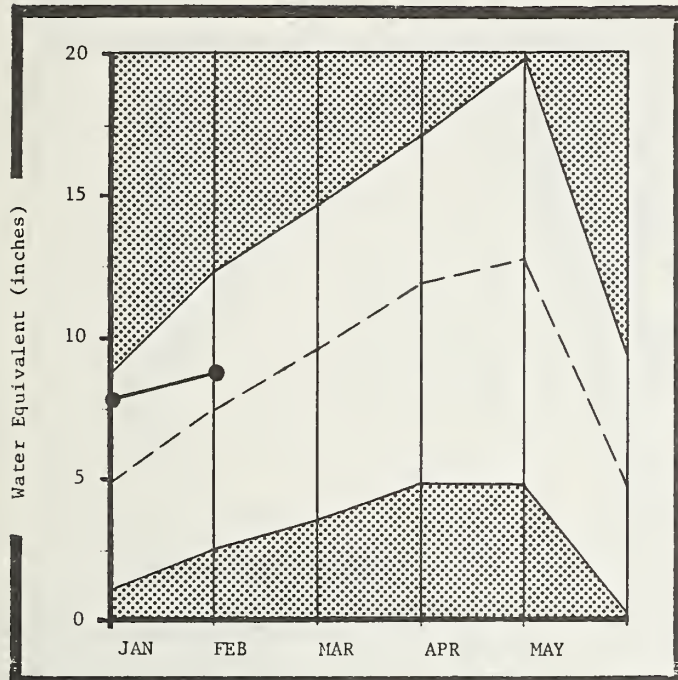
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER below Boysen *	APR-SEP	1163.0	1325.0	113	142	86				
SHELL CREEK near Shell	APR-SEP	78.0	70.0	89	122	68				
GREYBULL RIVER at Meeteetse	APR-SEP	215.0	200.0	93	119	67				
SHOSHONE RIVER blw Buffalo Bill *	APR-SEP	845.0	745.0	88	110	66				
CLARKS FORK near Belfry	APR-SEP	628.0	534.0	85	117	53				
SOUTH FORK SHOSHONE near Valley	APR-SEP	278.0	255.0	91	118	66				
NOWOOD RIVER near Tensleep	MAR-SEP	71.0	67.5	95	121	69				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BOYSEN	549.9	597.4	351.8	348.0	SHOSHONE RIVER	10	119	98
BUFFALO BILL	373.1	271.4	255.8	188.6	NOWOOD RIVER	5	134	102
BIGHORN LAKE	1356.0	731.0	907.4	609.2	GREYBULL RIVER	3	137	116
					SHELL CREEK	7	133	104
					BIGHORN (Boysen-Bighorn)	34	132	103

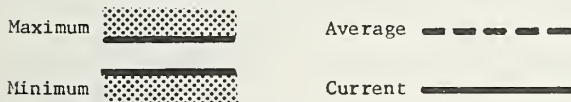
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

POWDER AND TONGUE RIVER BASINS

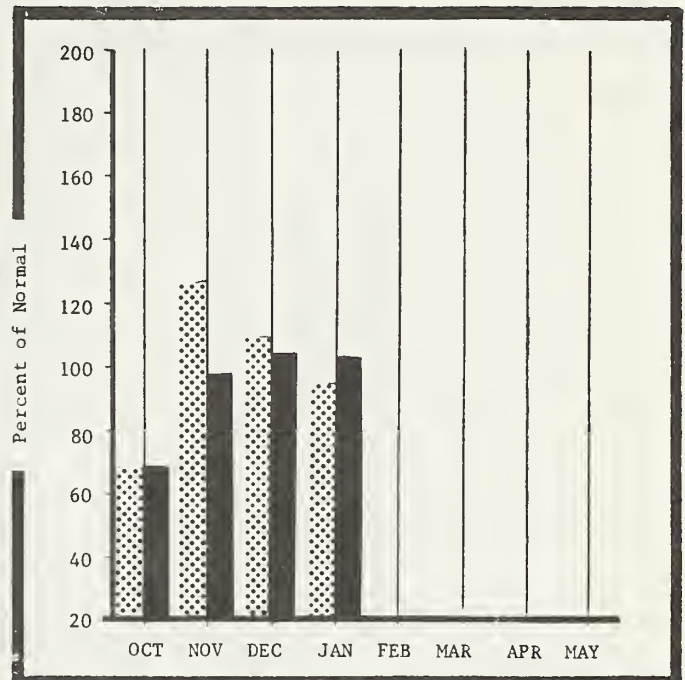
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack accumulation continues to be near average throughout the basin. Streamflow forecasts also are near average. January precipitation was about 7% below average, but for the year, precipitation is near normal.

For more information contact your local Soil Conservation Service office.

POWDER and TONGUE RIVER BASINS

STREAMFLOW FORECASTS

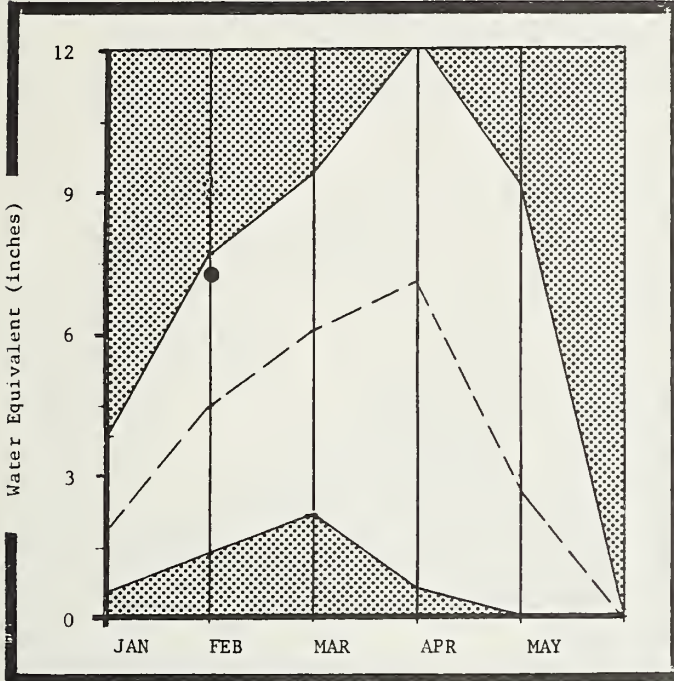
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
TONGUE RIVER near Dayton *	APR-SEP	123.0	125.0	101	132	72				
MIDDLE FORK POWDER near Barnum	APR-SEP	21.6	20.5	94	130	60				
NORTH FORK POWDER near Hazelton	APR-SEP	10.6	10.5	99	132	66				
CLEAR CREEK near Buffalo	APR-SEP	40.0	40.0	100	135	65				
ROCK CREEK near Buffalo	APR-SEP	25.4	25.0	98	134	63				
PINEY CREEK at Kearny	APR-SEP	54.8	55.0	100	137	64				
LITTLE BIGHORN at Hardin, MT	APR-SEP	182.0	191.0	104	137	48				

RESERVOIR STORAGE					(1000AF)	WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF		
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE	
TONGUE RIVER	68.0	12.4	14.6	30.2	UPPER TONGUE RIVER	13	122	102	
					GOOSE CREEK	6	119	96	
					CLEAR CREEK	3	132	105	
					CRAZY WOMAN CREEK	3	149	103	
					POWDER RIVER	29	126	101	





*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BELLE FOURCHE AND CHEYENNE RIVER BASINS

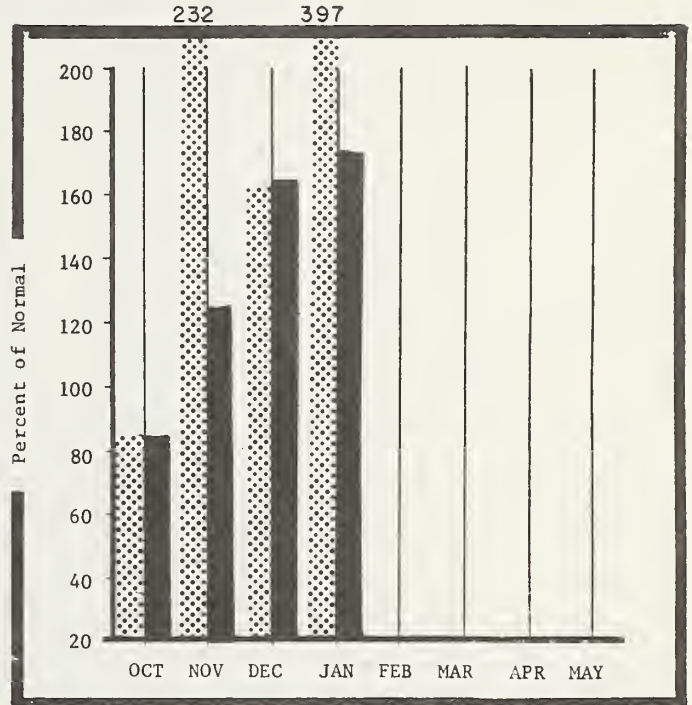
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack accumulation continues to be much above average for the basin. It is currently 74% above average. The above average snowpack could lead to above normal streamflows this coming spring and summer. Precipitation is presently 35% above average for the year. Reservoir storage is at 60% of the capacity which is slightly below normal.

For more information contact your local Soil Conservation Service office.

BELLE FOURCHE and CHEYENNE RIVER BASINS

STREAMFLOW FORECASTS

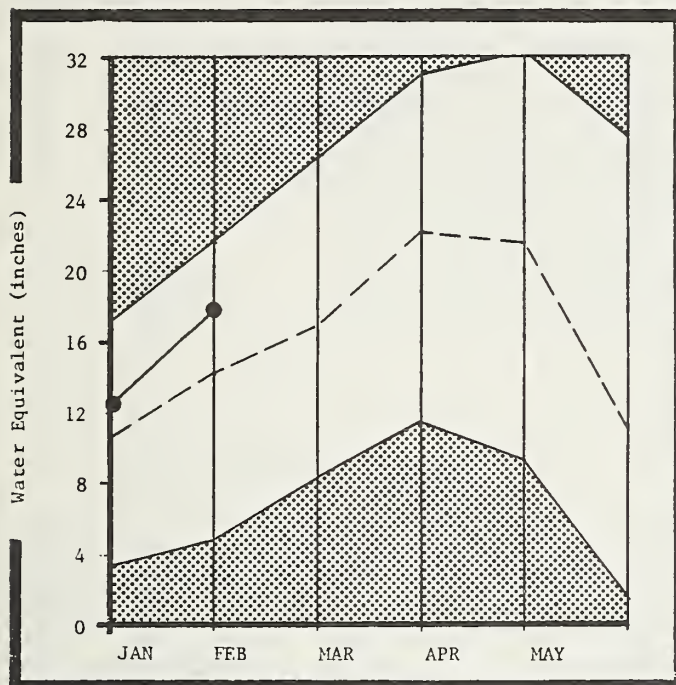
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
-No forecasts issued in this area-										

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
ANGOSTURA	96.2	73.0	52.0	60.9		BELLE FOURCHE	6	189 140
BELLE FOURCHE	185.2	60.3	125.6	112.9				
DEERFIELD	15.1	14.7	15.2	13.7				
KEYHOLE	190.4	55.9	71.4	117.0				
FACTOLA	55.0	44.4	53.8	49.8				
SHADEHILL	81.5	121.0	51.4	48.3				





*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

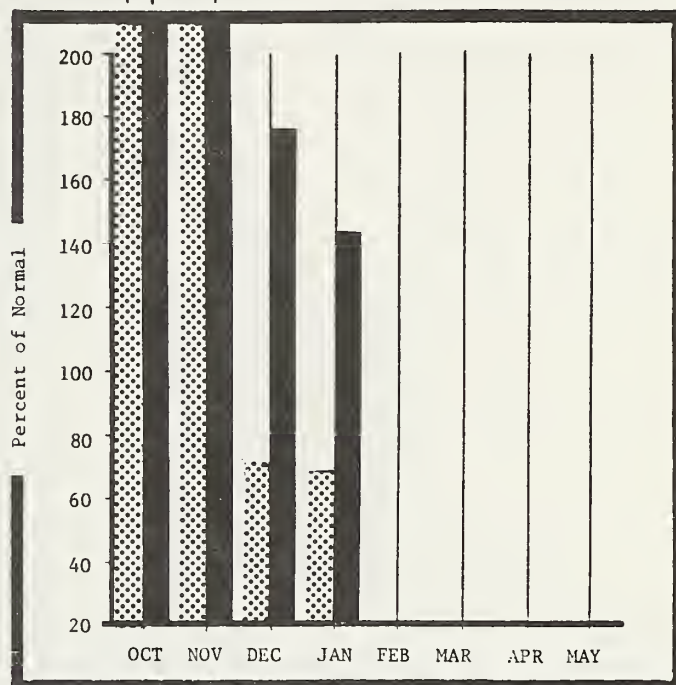
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts for the Upper North Platte Basin predict that above normal flows can be expected this spring and summer. The snowpack for this basin also remains above average with the Brush Creek drainage being 35% above normal. As for the Little Snake River Basin, both the snowpack buildup and streamflow forecasts are near normal. Precipitation for January in these basins was only 68% of normal, but is 63% above normal for the year.

For more information contact your local Soil Conservation Service office.

UPPER NORTH PLATTE and LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

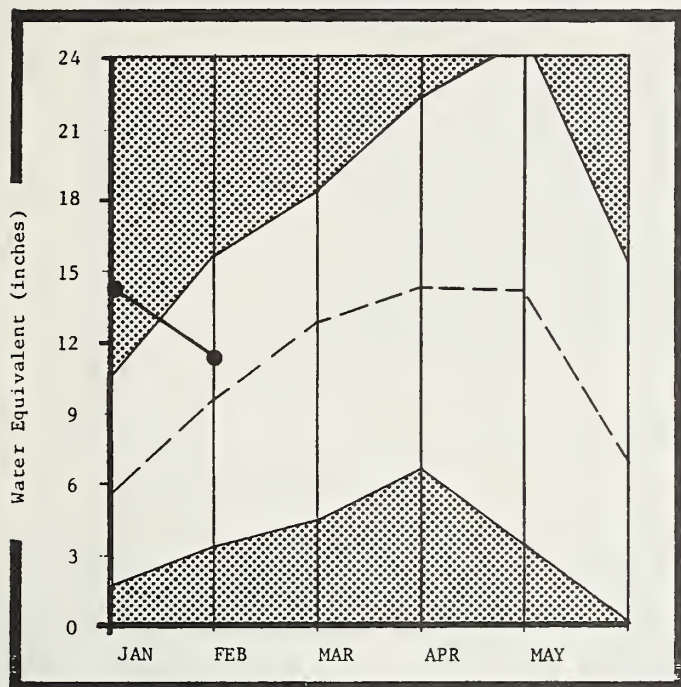
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Northgate	APR-SEP	262.0	300.0	114	140	89				
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	781.0	110	132	81				
ENCAMPMENT RIVER near Encampment	APR-SEP	156.0	175.0	112	138	86				
POCK CREEK near Arlington	APR-SEP	57.6	64.0	114	141	89				
LITTLE SNAKE RIVER near Dixon *	APR-SEP	320.0	345.0	107	140	76				
LITTLE SNAKE near Slater, CO *	APR-SEP	158.0	175.0	110	143	78				

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
SEMINOE	1017.3	633.5	851.8	451.6		UPPER NORTH PLATTE	14	122 118
						ENCAMPMENT RIVER	3	105 104
						BRUSH CREEK	3	145 135
						MEDICINE BOW & ROCK CREEK	3	124 122
						N. PLATTE above SEMINOE	21	129 121
						UPPER LITTLE SNAKE RIVER	1	96 85
						SAVERY CREEK	1	112 116

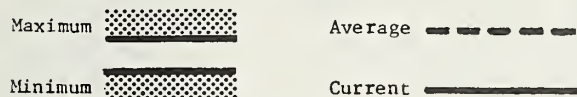
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

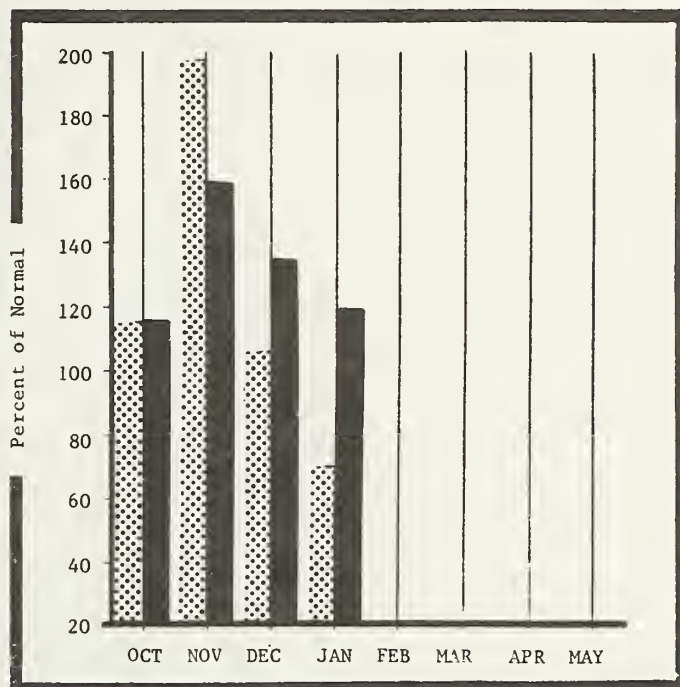
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow predictions for the Laramie and Sweetwater Rivers are for above average flows. The Lower North Platte River is forecast to have near normal flows. Snowpack accumulation in the basin continues to be above normal by as much as 30% in some locations. Precipitation for the month was similar to the rest of Wyoming in that it was below average. Precipitation for the year is above normal by about 21%. Reservoirs in the basin are at 77% of capacity, which is nearly 58% above average.

For more information contact your local Soil Conservation Service office.

LOWER NORTH PLATTE, SWEETWATER, and LARAMIE RIVER BASINS

STREAMFLOW FORECASTS

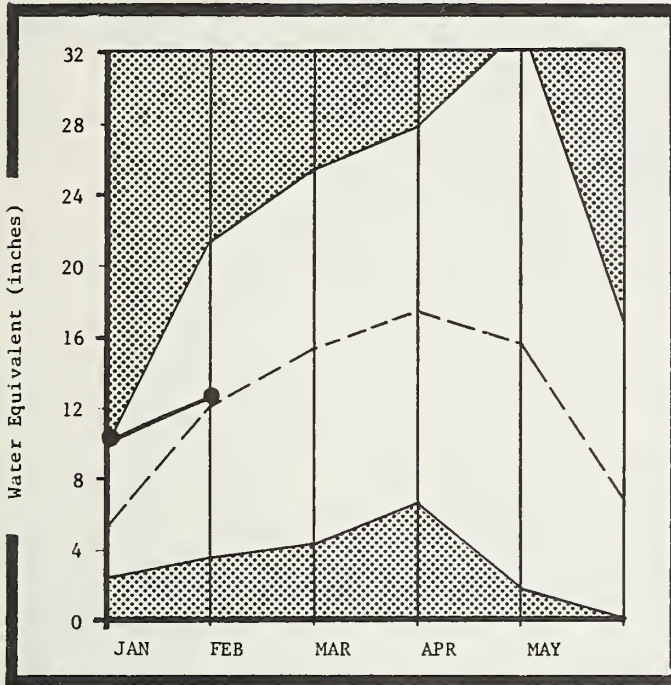
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	781.0	110	132	81				
SWEETWATER RIVER near Alcoa	APR-SEP	73.7	84.0	113	180	61				
DEER CREEK at Glenrock	APR-SEP	51.8	50.0	96	160	33				
LaPRELE CREEK above Reservoir	APR-SEP	33.7	32.5	96	160	33				
LARAMIE RIVER near Woods *	APR-SEP	132.0	160.0	121	152	91				
LITTLE LARAMIE RIVER near Filmore	APR-SEP	65.1	72.5	111	141	81				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
ALCOVA	184.3	157.1	157.5		SWEETWATER	4	198	125
GLENDO	783.7	151.1	340.3	333.1	DEER & LaPRELE CREEKS	2	118	105
GUERNSEY	45.2	10.1	1.3	7.2	N. PLATTE above LARAMIE	15	126	116
PATHFINDER	1015.5	718.1	894.3	340.8	LITTLE LARAMIE RIVER	4	139	107
SEMINOE	1017.3	633.5	851.8	451.6	UPPER LARAMIE RIVER	7	136	130
WHEATLAND #2	98.9	60.5	71.4	47.1	LARAMIE RIVER above MOUTH	14	140	118
					NORTH PLATTE in WYOMING	53	132	119





*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER GREEN RIVER BASIN

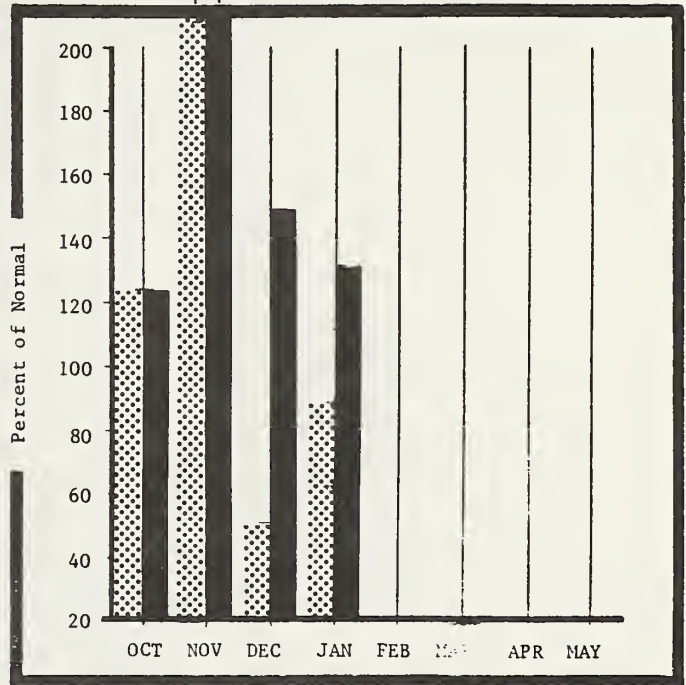
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Near normal streamflow is forecast for the basin. Snowpack buildup has sagged and is now also near normal. Precipitation for January was about 12% below average, while totals for the year remain above average by 29%.

For more information contact your local Soil Conservation Service office.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

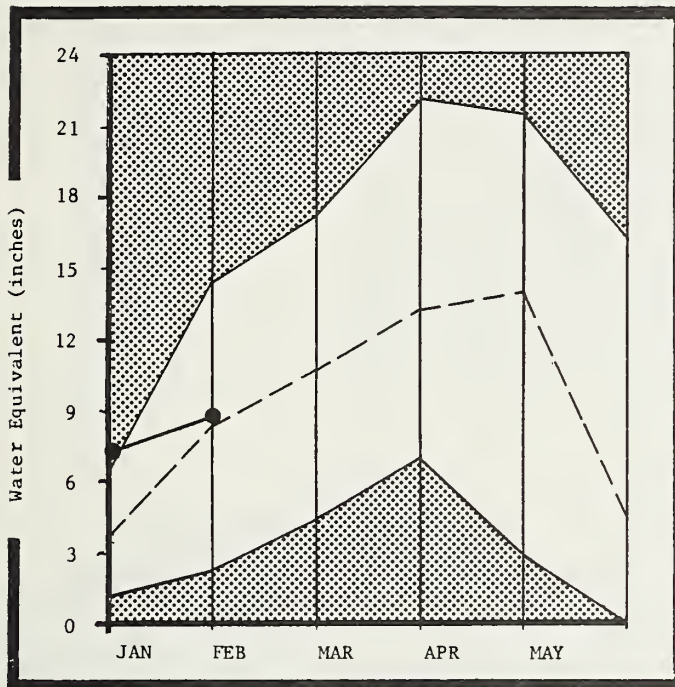
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GREEN RIVER near Warren Bridge	APR-SEP	326.0	345.0	105	125	87				
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1000.0	115	140	87				
LaBARGE CREEK at LaBarge Meadows	APR-SEP	8.9	9.0	101	135	90				
BIG SANDY RIVER near Big Sandy	APR-SEP	61.0	65.0	106	133	80	1000			

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE
BIG SANDY		NO REPORT			GREEN above WARREN BRIDGE	4	159	102
EDEN		NO REPORT			UPPER GREEN (West Side)	7	136	101
FLAMING GORGE	3749.0	3014.0	3309.8	---	NEWFORK LAKE	3	147	102
FONTENELLE	344.8	35.6	172.4	273.7	BIG SANDY/EDEN VALLEY	2	162	124
					GREEN above FONTENELLE	12	146	105

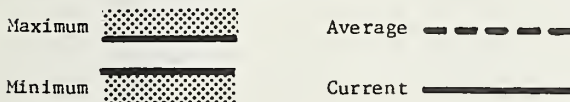
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER GREEN RIVER BASIN

MOUNTAIN SNOWPACK*

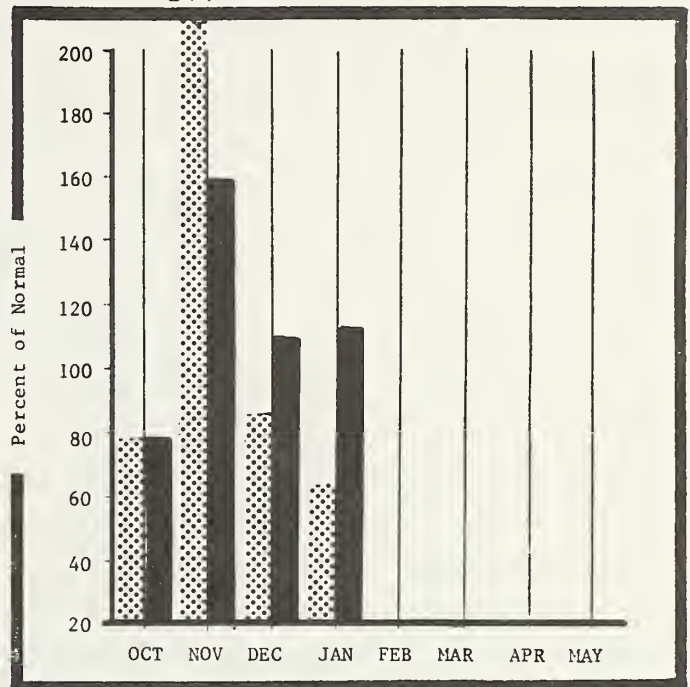


*Based on selected stations



PRECIPITATION*

244



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts in this basin show flows are expected to be near normal for the spring and summer months with the exception of the Blacks Fork and Henrys Fork drainages. These drainages are expected to be above normal by as much as 25%. Snowpack accumulation is near normal. January precipitation was about 40% below normal, however, totals for the year show that precipitation is nearly 17% above normal.

For more information contact your local Soil Conservation Service office.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

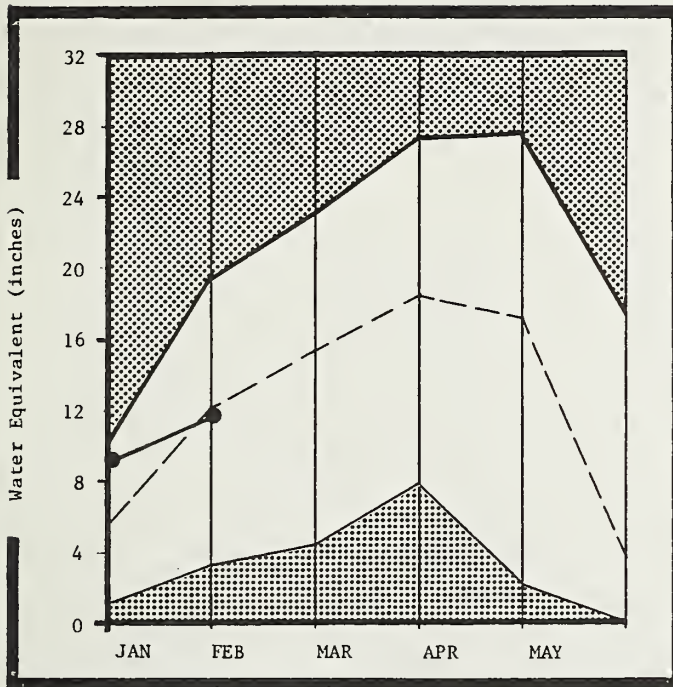
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1000.0	115	140	87				
HAMS FORK near Frontier	APR-SEP	71.3	74.0	103	133	74				
GREEN RIVER near Green River, WY *	APR-SEP	1079.0	1105.0	102	124	80				
BLACKS FORK near Milburne, UT	APR-JUL	89.9	100.0	111	149	79				
HENRYS FORK near Minila, UT	APR-SEP	48.0	60.0	125	169	92				
FLAMING GORGE Inflow *	APR-JUL	1248.0	1375.0	110	140	73				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.0	THIS YEAR AS % OF LAST YR. AVERAGE	
FONTENELLE	344.8	35.6	172.4	273.7	HAMS FORK RIVER	3	142	101
FLAMING GORGE	3749.0	3014.0	3309.8	---	BLACKS FORK	4	107	107
VIVA NAUGHTON RES	42.4	29.6	33.0	---	HENRYS FORK	1	90	86
					GREEN above FLAMING GORGE	15	145	104





*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER BEAR RIVER BASIN

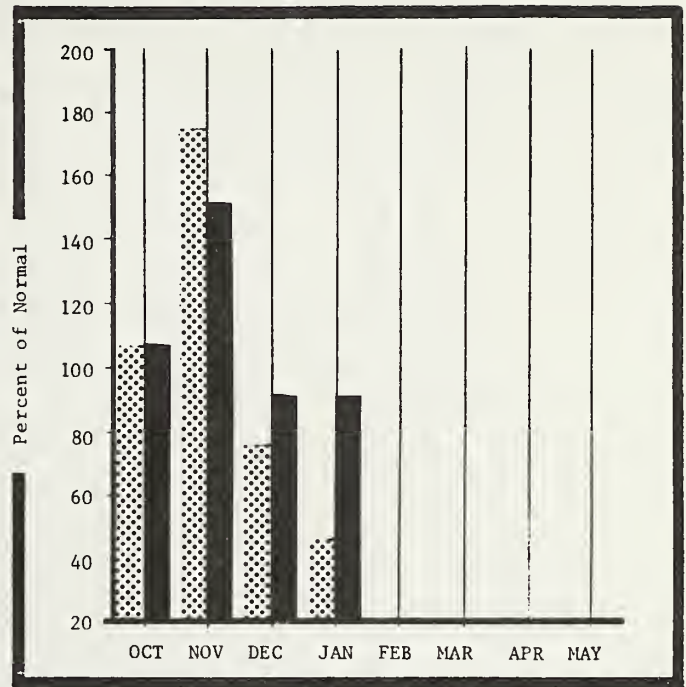
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Water users can expect near normal streamflows this year. Snowpack buildup has slowed, but is still near normal. Precipitation for January was much below normal, being only 47% of normal. Precipitation for the year is slightly below normal.

For more information contact your local Soil Conservation Service office.

UPPER BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SMITHS FORK near Border	APR-SEP	119.0	120.0	101	126	71				
THOMAS FORK near State line	APR-SEP	35.1	35.0	99	125	74				
BEAR RIVER at Utah-Wyoming line	APR-JUL	110.0	118.0	107	135	84				
BEAR RIVER near Woodruff, UT	APR-JUL	139.0	135.0	97	145	60				
BEAR RIVER near Randolph, UT	APR-JUL	110.0	110.0	100	189	76				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE LAST YEAR	USEABLE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
WOODRUFF NARROWS	55.8	36.0	55.5	---	UPPER BEAR RIVER	3	99	94
					SMITHS & THOMAS FORK'S	3	127	98
					BEAR RIVER abv IDAHO line	10	115	98

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

THE FOLLOWING ORGANIZATIONS COOPERATE
WITH THE SOIL CONSERVATION SERVICE
IN SNOW SURVEY WORK

State

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

Federal

U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U.S. Department of Commerce
 NOAA, National Weather Service

U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs
 Bureau of Land Management

Private

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

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Soil Conservation Service
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